

## CLAIMS

1. Layered structure with electric leads for a body worn device, wherein electric signals are fed along metallic leads, which are adhered to a layer on or within the layered structure and where a first and a second lead for connecting a first and a second terminal of a component are provided and whereby the two leads are passed side by side and alternating on the two sides of the layer, and in such a manner that the first and second lead will cross one another at an angle but passing on each their side of the layer.
2. Layered structure as claimed in claim 1, where the leads pass in such a way that a maximum number of twists is achieved.
3. Layered structure as claimed in claim 1 whereby the leads from one through hole of the layer to the next are drawn in a straight line and the through holes for passing the leads through the layer are placed side by side with no more space there between than is necessary for isolation purposes.
4. Layered structure as claimed in claim 1, whereby the leads are connected to an amplifier at one end and to a hearing aid receiver at the other end.

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